

I. AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 0001 with the following paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] The present application is a continuation-in-part of U.S. Appl. No. 10/708,204, filed January 29, 2004, and a continuation of U.S. Application No. 10/707,980, filed January 29, 2004, and continuation-in-part of U.S. Appl. No. 10/707,975, filed January 29, 2004, and continuation-in-part of U.S. Appl. No. 10/707,147, filed November 24, 2003, and continuation-in-part of International Appl. No. PCT/IL2003/000970, filed November 16, 2003, which is a continuation of U.S. Appl. No. 10/604,985 filed August 29, 2003, which is a continuation-in-part of U.S. Appl. No. 10/651,227 filed August 29, 2003, which is a continuation of U.S. Appl. No. 10/605,924 filed August 29, 2003; which is a continuation-in-part of U.S. Appl. No. 10/649,653 filed August 28, 2003; which is a continuation of U.S. Appl. No. 10/605,923 filed August 28, 2003; which is a continuation-in-part of U.S. Appl. No. 10/604,926 filed August 27, 2003; which is a continuation of U.S. Appl. No. 10/345,201 filed January 16, 2003, which is a continuation-in-part of U.S. Appl. No. 10/321,503 filed December 18, 2002, which is a continuation-in-part of U.S. Appl. No. 10/310,914 filed December 6, 2002, which is a continuation-in-part of U.S. Appl. No. 10/293,338 filed November 14, 2002, which is a continuation of U.S. Appl. No. 10/604,727 filed August 13, 2003. U.S. Appl. No. 10/293,338 is also a continuation of U.S. Appl. No. 10/604,726 filed August 13, 2003. U.S. Appl. No. 10/604,985 claims the benefit of U.S. Provisional Appl. No. 60/468,251 filed May 7, 2003. Each of these applications is incorporated herein by reference.

Please modify paragraph [0029] as follows:

[0028] **Reference is made to the appendix submitted on six compact discs. The compact discs contain a** A sequence listing **is attached to the present invention,** comprising 2254510 genomic sequences **on the, is contained in a** file named **SEQ_LIST.txt (342238KB, 31-Mar-04) Seq. txt (342,240 KB, September 28, 2005),** and is hereby incorporated by reference herein.

Please delete paragraph [0030] and insert the following new paragraph:

[0030] Large tables relating to genomic sequences are attached to the present application, appear in 11 table files (size, creation date), incorporated herein: TABLE_1.txt (35,428 KB, March 31, 2004); TABLE_2.txt (165,249 KB, March 31, 2004); TABLE_3.txt (2,837 KB, March 31, 2004); TABLE_4.txt (8,105 KB, March 31, 2004); TABLE_5.txt (3,048 KB, March 31, 2004); TABLE_6.txt (169,488 KB, March 31, 2004); TABLE_7.txt (268,106KB, March 31, 2004); TABLE_8_1.txt (378,907 KB, October 25, 2005); TABLE_8_2.txt (374,279 KB, October 25, 2005); TABLE_9_1.txt (419,922 KB, October 25, 2005); TABLE_9_2.txt (415,145 KB, October 25, 2005); TABLE_10.txt (4,315 KB, March 31, 2004) and TABLE_11.txt (36 KB, March 31, 2004), all of which are incorporated by reference herein.